Amendments to the Claims:

The following listing of claims replaces all prior versions and listings of the claims in this application.

Listing of Claims:

1. (Currently Amended) Method for increasing the yield of recombinant protein in a microbial fermentation process, wherein the concentration of a carbon / energy source in the culture of a microbial fermentation process for producing recombinant protein is oscillatingly reduced or increased in ~~short~~ cycles, and wherein the maximum duration of each cycle is 4 minutes.

2. (Previously Presented) Method according to Claim 1, wherein the oscillations are generated by changing a dosage rate of a feed solution containing the carbon/energy source.

3. (Currently Amended) Method according to claim 1, wherein ~~the maximum duration of one cycle is 4 minutes, and~~ the maximum duration of a single phase of increasing concentration or decreasing concentration in each ~~the~~ cycle is ~~a maximum of~~ two minutes.

4. (Currently Amended) Method according to claim 1, wherein the duration of one cycle is one minute, and the duration of a single phase of increasing concentration or decreasing concentration in the cycle is a maximum of 75% of the total cycle time.

5. (Currently Amended) Method according to claim 1, wherein the carbon/energy source is added to the culture in ~~such~~ a manner ~~as~~ to cyclically vary the rate of addition of ~~the~~ substrate solution only during ~~certain segments~~ portions of the process.

6. (Currently Amended) Method according to claim 1, wherein the concentration ~~dosage rate~~ is controlled by cyclical activation and deactivation of the addition of ~~the~~ a feed solution.

7. (Previously Presented) Method according to claim 1, wherein glucose, glycerol, lactose, galactose, methanol, acetate, molasses, or starch is used as the carbon/energy substrate.

8. (Currently Amended) Method according to claim 1, wherein~~, depending on the promoter used,~~ IPTG, indolyl acrylic acid (IAA), lactose, arabinose, galactose, or methanol, if not already used as the energy source, is added to the culture to induce formation of the recombinant protein ~~product~~.

9. (Currently Amended) Method according to claim 1, wherein a temperature shift occurs at the time of the induction of the formation of the recombinant protein ~~product~~.

10. (Currently Amended) Method according to claim 2, wherein ~~the maximum duration of one cycle is 4 minutes, and~~ the maximum duration of a single phase of increasing concentration or decreasing concentration in each ~~the~~ cycle is ~~a maximum of~~ two minutes.

11. (Currently Amended) Method according to claim 2, wherein the duration of one cycle is one minute, and the duration of a single phase of increasing concentration or decreasing concentration in the cycle is a maximum of 75% of the total cycle time.

12. (Currently Amended) Method according to claim 2, wherein the carbon/energy source is added to the culture in ~~such~~ a manner ~~as~~ to cyclically vary the rate of addition of ~~the~~ substrate solution only during ~~certain segments~~ portions of the process.

13. (Currently Amended) Method according to claim 3, wherein the carbon/energy source is added to the culture in ~~such~~ a manner ~~as~~ to cyclically vary the rate of addition of ~~the~~ substrate solution only during ~~certain segments~~ portions of the process.

14. (Currently Amended) Method according to claim 2, wherein the concentration ~~dosage rate~~ is controlled by cyclical activation and deactivation of the addition of ~~the~~ a feed solution.

15. (Currently Amended) Method according to claim 3, wherein the concentration ~~dosage rate~~ is controlled by cyclical activation and deactivation of the addition of ~~the~~ a feed solution.

16. (Previously Presented) Method according to claim 2, wherein glucose, glycerol, lactose, galactose, methanol, acetate, molasses, or starch is used as the carbon/energy substrate.

17. (Previously Presented) Method according to claim 3, wherein glucose, glycerol, lactose, galactose, methanol, acetate, molasses, or starch is used as the carbon/energy substrate.

18. (Currently Amended) Method according to claim 2, wherein~~, depending on the promoter used,~~ IPTG, indolyl acrylic acid (IAA), lactose, arabinose, galactose, or methanol, if not already used as the energy source, is added to the culture to induce formation of the recombinant protein ~~product~~.

19. (Currently Amended) Method according to claim 3, wherein~~, depending on the promoter used,~~ IPTG, indolyl acrylic acid (IAA), lactose, arabinose, galactose, or methanol, if not already used as the energy source, is added to the culture to induce formation of the recombinant protein ~~product~~.

20. (Currently Amended) Method according to claim 7, wherein~~, depending on the promoter used,~~ IPTG, indolyl acrylic acid (IAA), lactose, arabinose, galactose, or methanol, if not already used as the energy source, is added to the culture to induce formation of the recombinant protein ~~product~~.